Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/11/2019 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124968	-1	0.92	125044	0.90
Blue	F	SSC	125000	123742	-2	1.59	124571	1.61
Blue	E	FITC	16122	15824	-2	2.57	344	19.90
Blue	D	PE	29316	28773	-2	1.80	629	14.05
Blue	B	PerCP-Cy5-5	42590	42102	-2	3.47	1131	19.73
Blue	A	PE-Cy7	33146	33465	0	5.78	642	39.56
Red	C	APC	45473	44746	-2	2.37	1582	12.18
Red	A	APC-Cy7	31961	30840	-4	2.27	816	12.02
Violet	B	V450	7914	7489	-6	4.96	419	13.70
Violet	A	V500	29769	28365	-5	4.81	660	10.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20789	2.37	605	5	N/A	N/A	Pass
Blue	F	SSC	56279	1.13	551	13	N/A	N/A	Pass
Blue	E	FITC	62	60.01	539	2	0.0191	40	Pass
Blue	D	PE	131	48.86	541	4	0.1921	322	Pass
Blue	B	PerCP-Cy5-5	208	48.71	645	7	0.0097	69	Pass
Blue	A	PE-Cy7	119	96.37	698	7	0.0114	10	Pass
Red	C	APC	377	25.10	587	8	0.0238	113	Pass
Red	A	APC-Cy7	179	29.26	563	7	0.0055	1126	Pass
Violet	B	V450	64	59.30	464	4	0.0446	1707	Pass
Violet	A	V500	99	35.58	476	4	0.0231	1055	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/11/2019 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.87	-32.44	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.41	13.60 - 20.40	N/A	N/A	29.97	30.46	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13989

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments